

Abstract of the Disclosure

A mass spectroscope includes an ion source for generating ions, a mass spectrometry portion, and an ion retention portion arranged between the ion source and mass spectrometry portion for storing, cooling and ^{/or} dissociating the ions before the ions are discharged into the mass spectrometry portion. The mass spectroscope further includes a flow adjusting device for adjusting a gas flowing into the ion retention portion from an outside, and a control device for controlling the flow adjusting device in order to appropriately set a gas pressure in the ion retention portion according to an operation mode such as an introducing operation, a retention operation, and a discharging operation.

S.Y
10/15